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## CLAIMS

1. Use of perfluoropolyether phosphates as stabilizing agents for polyphenols in cosmetic and/or dermatological compositions for topical application.

- 5 2. Use according to claim 1, wherein said perfluoropolyether phosphates have the general formula (I):



wherein

$x = 1$  or  $2$ ;

- 10  $R_1$  and  $R_2$  are independently selected between H and  $CH_3$ ;

$n$  is an integer between 1 and 50, preferably 1-6;

$R_f$  is a perfluoropolyether chain with a number average molecular weight between 400 and 1800, preferably 500-1300, comprising repeating units selected from the following:

- 15 a)  $-(C_3F_6O)-$   
 b)  $-(CF_2CF_2O)-$   
 c)  $-(CFL_0O)-$ , wherein  $L_0 = -F, -CF_3$ ;  
 d)  $-CF_2(CF_2)_yCF_2O-$ , wherein  $y = 1$  or  $2$ ;  
 e)  $-CH_2CF_2CF_2O-$ ,

- 20 and wherein, when  $x = 1$ , an end group is a perfluoroalkyl selected from  $CF_3O$ ,  $C_2F_5O$ ,  $C_3F_7O$ .

3. Use according to claim 2, wherein  $R_f$  has one of the following structures:

- 1)  $-(CF_2O)_a-(CF_2CF_2O)_b-$   
 25 wherein  $b/a$  lies between 0.3 and 10 and  $a$  is an integer different from 0;  
 2)  $-(CF_2-(CF_2)_y-CF_2O)_b-$

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wherein  $y = 1$  or  $2$ ;

3)  $-(C_3F_6O)_r-(C_2F_4O)_b-(CFL_0O)_t-$ ,

wherein  $r/b = 0.5-2.0$ ,  $(r+b)/t = 10-30$ ,  $b$  and  $t$  are integers different from 0;

5 4)  $-(OC_3F_6)_r-(CFL_0O)_t-OCF_2-R'_t-CF_2O-(C_3F_6O)_r-(CFL_0O)_t-$

5)  $-(CF_2CF_2CH_2O)_q-R'_t-O-(CH_2CF_2CF_2O)_q-$

wherein  $R'_t$  is a fluoroalkylene group with 1-4 carbon atoms;

$L_0$  is chosen between F and  $CF_3$ ;

6)  $-(C_3F_6O)_r-OCF_2-R'_t-CF_2O-(C_3F_6O)_r-$

10 wherein in the above formulas:

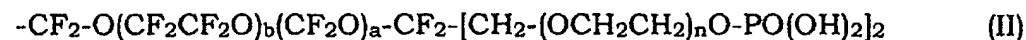
$-(C_3F_6O)-$  represents units of formula:

$-(CF(CF_3)CF_2O)-$  and/or  $-(CF_2-CF(CF_3)O)-$

$a, b, b', q', r, t$  are integers, whose sum is such that  $R_t$  has values of number average molecular weight  $M_n$  lying between about 400 and about

15 1800, preferably between 500 and 1300.

4. Use according to claim 3, wherein the perfluoropolyether phosphates are perfluoropolyether diphosphates of formula (II):



wherein  $n = 1$  or  $2$ ,  $b/a = 0.5-3.0$  and  $a, b$  and  $r$  have the meanings

20 reported in claim 3.

5. A cosmetic and/or dermatological composition for topical use comprising, as active substances, polyphenols in association with a suitable carrier, characterized by containing, as stabilizing agent, an effective amount of at least one perfluoropolyether phosphate.

25 6. A cosmetic and/or dermatological composition according to claim 5, wherein said stabilizing agent is a perfluoropolyether diphosphate according to formula (II) of claim 4.

7. A composition according to claim 6, wherein said at least one perfluoropolyether diphosphate is contained in an amount included  
30 between 0.1 and 5.0% by weight of total composition weight.

8. A composition according to claim 7, wherein said at least one perfluoropolyether diphosphate is contained in an amount included

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between 0.2 and 1.0% by weight of total composition weight.

9. A composition according to any one of claims 5 to 8, wherein the polyphenol content is included between 0.1% and 5% by weight of total composition weight.

5 10. A composition according to any one of claims 5 to 9, further including vitamin E.

11. A composition according to claim 10, wherein said vitamin E is contained in an amount between 0.5 and 10% by weight of total composition weight.

10 12. A composition according to any one of claims 5 to 11, further including ascorbic acid.

13. A composition according to claim 12, wherein the ascorbic acid is contained in an amount between 0.1 and 10% by weight of total composition weight.

15 14. A composition according to any one of claims 5 to 13, further including at least one compound selected from the group consisting of vitamin A, carotenes, carotenoids, lutein, lycopene and xanthophylls.

15. A composition according to any one of claims 5 to 14, characterized by being in the form of a cream.